

MULTILAYER CO-EXTRUSION ROTOR SLOT ARMOR AND SYSTEM FOR MAKING THE SAME

Abstract

A slot armor component for use in a rotor of a dynamo-electric machine comprises a plurality of profile co-extruded polymer layers. The composite cross-section of the profile co-extruded layers may include a first leg portion and a second leg portion disposed at an angle to the first leg portion. The plurality of co-extruded polymer layers may include a glass-filled polymer layer arranged between two unfilled polymer layers such as a glass-filled Ultem layer having a glass-fill concentration equal to or less than 30% arranged between two unfilled Ultem layers or a glass-filled polyetheretherketone (PEEK) layer having a glass-fill concentration equal to or less than 30% arranged between two unfilled PEEK layers.